



## National Center for Health Statistics

# Weekly Updates by Select Demographic and Geographic Characteristics

Provisional Death Counts for Coronavirus Disease 2019 (COVID-19)

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Updated: September 30, 2020



Note: Provisional death counts are based on death certificate data received and coded by the National Center for Health Statistics as of September 30, 2020. Death counts are delayed and may differ from other published sources (see Technical Notes). Counts will be updated every Wednesday by 5pm. Additional information will be added to this site as available.

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## Age and sex

Table 1 has counts of death involving COVID-19 and select causes of death by sex and age group for the United States. For data on sex and age at the state level, [Click here to download](#) . For data on sex and age by week,

[Click here to download](#) .

**NOTICE TO USERS:** The data file for deaths by sex and age at the state level has been updated on September 2, 2020 to include the following age groups in addition to the age groups that are routinely included: 0-17, 18-29, 30-49, and 50-64. The new age groups are consistent with categories used across CDC COVID-19 surveillance pages. When analyzing the file, the user should make sure to select only the desired age groups. Summing across all age categories provided will result in double counting deaths from certain age groups.

Data on deaths involving COVID-19 among ages 0–18 are available here: [Click here to download](#) .

### ▼ Table 1. Deaths involving coronavirus disease 2019 (COVID-19), pneumonia, and influenza reported to NCHS by sex and age group. United States. Week ending 2/1/2020 to 9/26/2020

Updated September 30, 2020

Sex	Age group	All Deaths involving COVID-19 (U07.1) <sup>1</sup>	Deaths from All Causes	Deaths involving Pneumonia, with or without COVID-19, excluding Influenza deaths (J12.0–J18.9) <sup>2</sup>	Deaths involving COVID-19 and Pneumonia, excluding Influenza (U07.1 and J12.0–J18.9) <sup>2</sup>	All Deaths involving Influenza, with or without COVID-19 or Pneumonia (J09–J11) <sup>3</sup>	Deaths involving Pneumonia, Influenza, or COVID-19 (U07.1 or J09–J18.9) <sup>4</sup>	Population <sup>5</sup>
<b>Total</b>								
	All ages	<b>194,091</b>	2,087,504	197,973	87,714	6,705	310,055	327,167,434
	Under 1 year	<b>20</b>	11,719	105	3	16	138	3,848,208
	1–4 years	<b>15</b>	2,233	75	2	42	130	15,962,067
	5–14 years	<b>32</b>	3,476	106	8	52	182	41,075,169
	15–24 years	<b>362</b>	22,385	455	131	53	735	42,970,800
	25–34 years	<b>1,513</b>	46,033	1,664	673	151	2,641	45,697,774
	35–44 years	<b>3,956</b>	65,059	3,748	1,751	250	6,173	41,277,888
	45–54 years	<b>10,389</b>	119,436	9,754	4,871	577	15,744	41,631,699
	55–64 years	<b>24,772</b>	273,191	26,025	12,079	1,240	39,739	42,272,636
	65–74 years	<b>41,866</b>	413,865	44,018	20,292	1,457	66,808	30,492,316
	75–84							

years	<b>51,365</b>	504,433	54,045	23,954	1,480	82,728	15,394,374
85 years and over	<b>59,801</b>	625,674	57,978	23,950	1,387	95,037	6,544,503
<b>Males</b>							
All ages	<b>104,896</b>	1,089,340	108,473	49,465	3,455	166,745	161,128,679
Under 1 year	<b>13</b>	6,487	65	2	8	84	1,968,505
1–4 years	<b>7</b>	1,305	37	1	25	68	8,163,697
5–14 years	<b>22</b>	2,062	54	7	23	92	20,974,830
15–24 years	<b>223</b>	16,595	283	82	27	448	21,976,455
25–34 years	<b>1,003</b>	32,519	1,033	435	76	1,668	23,210,709
35–44 years	<b>2,698</b>	42,918	2,383	1,199	133	3,992	20,587,600
45–54 years	<b>7,063</b>	75,065	6,101	3,323	342	10,111	20,541,202
55–64 years	<b>16,067</b>	168,282	15,858	7,779	705	24,702	20,398,863
65–74 years	<b>25,722</b>	240,467	26,462	12,554	813	40,288	14,246,085
75–84 years	<b>28,239</b>	262,137	30,261	13,530	737	45,589	6,735,040
85 years and over	<b>23,839</b>	241,503	25,936	10,553	566	39,703	2,325,693
<b>Females</b>							
All ages	<b>89,191</b>	998,082	89,493	38,245	3,249	143,302	166,038,755
Under 1 year	<b>7</b>	5,212	40	1	8	54	1,879,703
1–4 years	<b>8</b>	928	38	1	17	62	7,798,370
5–14 years	<b>10</b>	1,414	52	1	29	90	20,100,339
15–24 years	<b>139</b>	5,789	172	49	26	287	20,994,345
25–34 years	<b>510</b>	13,512	631	238	75	973	22,487,065
35–44 years	<b>1,258</b>	22,136	1,365	552	117	2,181	20,690,288
45–54 years	<b>3,325</b>	44,368	3,652	1,547	235	5,632	21,090,497
55–64 years	<b>8,705</b>	104,901	10,166	4,300	534	15,035	21,873,773

65–74 years	16,143	173,389	17,555	7,737	644	26,519	16,246,231
75–84 years	23,125	242,282	23,782	10,423	743	37,137	8,659,334
85 years and over	35,961	384,151	32,040	13,396	821	55,332	4,218,810

NOTE: Number of deaths reported in this table are the total number of deaths received and coded as of the date of analysis and do not represent all deaths that occurred in that period. Counts of death occurring before or after the reporting period are not included in the table.

\*Data during this period are incomplete because of the lag in time between when the death occurred and when the death certificate is completed, submitted to NCHS and processed for reporting purposes. This delay can range from 1 week to 8 weeks or more, depending on the jurisdiction and cause of death.

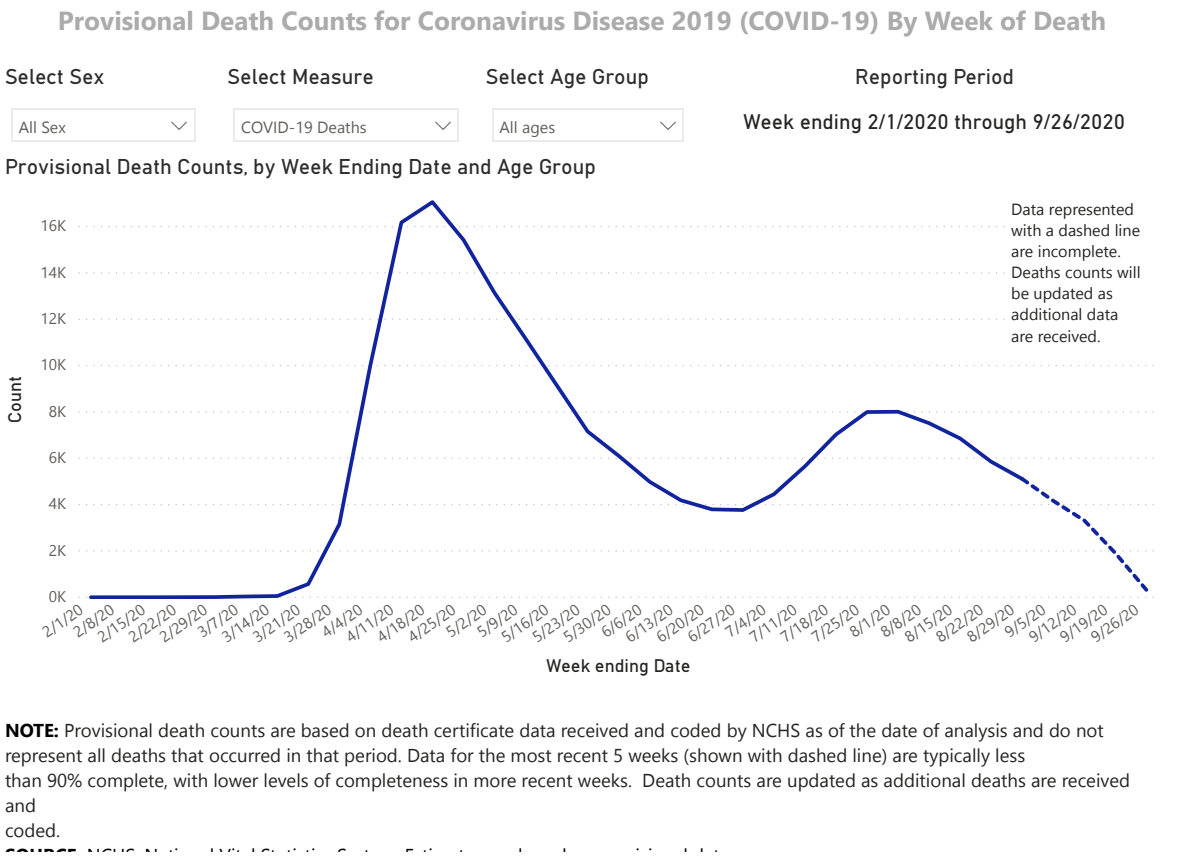
<sup>1</sup>Deaths with confirmed or presumed COVID-19, coded to ICD-10 code U07.1

<sup>2</sup>Counts of deaths involving pneumonia include pneumonia deaths that also involve COVID-19 and exclude pneumonia deaths involving influenza.

<sup>3</sup>Counts of deaths involving influenza include deaths with pneumonia or COVID-19 also listed as a cause of death.

<sup>4</sup>Deaths with confirmed or presumed COVID-19, pneumonia, or influenza, coded to ICD-10 codes U07.1 or J09-18.9.

<sup>5</sup>Population is based on 2018 postcensal estimates from the U.S. Census Bureau



Race and Hispanic origin

Data by race and Hispanic origin are available at the national, state, and county level. Data by race and Hispanic origin is also available by age at the national and state level. [Click here](#) to visit the NCHS Health Disparities: Race and Hispanic origin page.

## Place of death

Table 2 presents death counts of COVID-19 and other select causes of death by the place of death. For data on place of death at the state level, [Click here to download](#).

For data on place of death by age group, state, and HHS Region, [Click here to download](#).

### ▼ Table 2. Deaths involving coronavirus disease 2019 (COVID-19), pneumonia, and influenza reported to NCHS by place of death, United States. Week ending 2/1/2020 to 9/26/2020.\*

Updated September 30, 2020

Place of death	All Deaths involving COVID-19 (U07.1) <sup>1</sup>	Deaths from All Causes	Deaths involving Pneumonia, with or without COVID-19, excluding Influenza deaths (J12.0-J18.9) <sup>2</sup>	Deaths involving COVID-19 and Pneumonia, excluding Influenza (U07.1 and J12.0-J18.9) <sup>2</sup>	All Deaths involving Influenza, with or without COVID-19 or Pneumonia (J09-J11) <sup>3</sup>
Total	<b>194,091</b>	2,087,504	197,973	87,714	6,705
Healthcare setting, inpatient	<b>126,357</b>	610,157	141,425	69,910	4,062
Healthcare setting, outpatient or emergency room	<b>6,819</b>	123,902	6,509	2,239	242
Healthcare setting, dead on arrival	<b>185</b>	5,983	138	45	11
Decedent's home	<b>10,456</b>	706,014	13,467	2,162	1,445
Hospice facility	<b>5,758</b>	130,766	9,459	2,648	317
Nursing home/long term care facility	<b>41,089</b>	366,483	23,687	9,788	529
Other	<b>3,358</b>	142,170	3,227	897	99
Place of death unknown	<b>69</b>	2,029	61	25	0

NOTE: Number of deaths reported in this table are the total number of deaths received and coded as of the date of analysis and do not represent all deaths that occurred in that period. Counts of deaths occurring before or after the reporting period are not included in the table.


\*Data during this period are incomplete because of the lag in time between when the death occurred and when the death certificate is completed, submitted to NCHS and processed for reporting purposes. This delay can range from 1 week to 8 weeks or more, depending on the jurisdiction and cause of death.

<sup>1</sup>Deaths with confirmed or presumed COVID-19, coded to ICD-10 code U07.1.

<sup>2</sup>Counts of deaths involving pneumonia include pneumonia deaths that also involve COVID-19 and exclude pneumonia deaths involving influenza.

<sup>3</sup>Counts of deaths involving influenza include deaths with pneumonia or COVID-19 also listed as a cause of death.

## Comorbidities

 Click here to download .

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[illegible]

diseases	I60–I69	9,377	7	28	97	346	1,077	2,128	2,723	2,970
Other diseases of the circulatory system	I00–I09, I26–I43, I51, I52, I70–I99	10,764	51	116	253	610	1,422	2,419	2,678	3,215
<b>Sepsis</b>	A40–A41	17,613	44	164	432	1,327	3,089	4,879	4,416	3,262
<b>Malignant neoplasms</b>	C00–C97	8,856	32	40	109	334	1,204	2,324	2,658	2,155
<b>Diabetes</b>	E10–E14	31,483	51	208	718	2,158	5,240	8,518	8,387	6,203
<b>Obesity</b>	E65–E68	7,134	97	345	768	1,257	1,788	1,735	892	252
<b>Alzheimer disease</b>	G30	6,874	0	0	0	2	57	453	2,032	4,330
<b>Vascular and unspecified dementia</b>	F01, F03	21,665	0	0	2	24	328	2,035	6,430	12,846
<b>Renal failure</b>	N17–N19	16,966	23	141	361	1,095	2,579	4,395	4,438	3,932
<b>Intentional and unintentional injury, poisoning and other adverse events</b>	S00–T98, V01–X59, X60–X84, X85–Y09, Y10–Y36, Y40–Y89, U01–U03	6,402	50	175	223	396	784	1,249	1,531	1,994
<b>All other conditions and causes (residual)</b>	A00–A39, A42–B99, D00–E07, E15–E64, E70–E90, F00, F02, F04–G26, G31–H95, K00–K93, L00–M99, N00–N16, N20–N99, O00–O99, P00–P96, Q00–Q99, R00–R08, R09.0, R09.1, R09.3, R09.8, R10–R99	95,926	326	873	1,954	5,275	13,049	22,506	25,092	26,843

NOTE: Number of conditions reported in this table are tabulated from deaths received and coded as of the date of analysis and do not represent all deaths that occurred in that period. Data for this table are derived from a cut of the NVSS database taken at a particular time, separate from other surveillance tables on this page which are tabulated on the date of update. As a result, the total number of COVID-19 deaths in this table may not match other surveillance tables on this page.

\*Data during the period are incomplete because of the lag in time between when the death occurred and when the death certificate is completed, submitted to NCHS and processed for reporting purposes. This delay can range from 1 week to 8 weeks or more.

<sup>1</sup>Conditions contributing to the death were identified using the International Classification of Diseases, Tenth Revision (ICD–10). Deaths involving more than one condition (e.g., deaths involving both diabetes and respiratory arrest) were counted in both totals. To avoid counting the same death multiple times, the numbers for different conditions should not be summated.

<sup>2</sup>Deaths with confirmed or presumed COVID-19, coded to ICD–10 code U07.1



### Excess deaths

See the [NCHS Excess Deaths Data Visualization](#).

This data visualization presents data on weekly counts of all-cause mortality by jurisdiction of occurrence. Counts of deaths in the most recent weeks are compared with historical trends to determine whether the number of deaths in recent weeks is significantly higher than expected.

## State and County Data Files

### Weekly Counts of Deaths by State and Select Causes

- [Final data for 2014–2018](#)  – Weekly counts of leading causes of death based on final underlying cause mortality data for years 2014–2018.
- [Provisional data for 2019–2020](#)  – Weekly counts of leading causes of death based on provisional underlying cause mortality data for 2019–2020, updated weekly.

### [Provisional COVID-19 Death Counts in the United States by County](#)

- This file includes deaths involving COVID-19 (coded to ICD–10 code U07.1) and total deaths per county. Counties included in this table had 10 or more COVID-19 deaths at the time of analysis.



# Understanding the Numbers: Provisional Death Counts and COVID-19

*Provisional death counts deliver the most complete and accurate picture of lives lost to COVID-19. They are based on death certificates, which are the most reliable source of data and contain information not available anywhere else, including comorbid conditions, race and ethnicity, and place of death.*

## How it Works

**The National Center for Health Statistics (NCHS) uses incoming data from death certificates to produce provisional COVID-19 death counts.** These include deaths occurring within the 50 states and the District of Columbia.

**NCHS also provides summaries that examine deaths in specific categories and in greater geographic detail,** such as deaths by county and by race and Hispanic origin.

**COVID-19 deaths are identified using a new ICD-10 code.** When COVID-19 is reported as a cause of death – or when it is listed as a “probable” or “presumed” cause — the death is coded as **U07.1**. This can include cases with or without laboratory confirmation.

## Why These Numbers are Different

Provisional death counts may not match counts from other sources, such as media reports or numbers from county health departments. Counts by NCHS often track 1–2 weeks behind other data.

- **Death certificates take time to be completed.** There are many steps to filling out and submitting a death certificate. Waiting for test results can create additional delays.
- **States report at different rates.** Currently, 63% of all U.S. deaths are reported within 10 days of the date of death, but there is significant variation between states.
- **It takes extra time to code COVID-19 deaths.** While 80% of deaths are electronically processed and coded by NCHS within minutes, most deaths from COVID-19 must be coded by a person, which takes an average of 7 days.
- **Other reporting systems use different definitions or methods for counting deaths.**

## Things to know about the data

**Provisional counts are not final and are subject to change.** Counts from previous weeks are continually revised as more records are received and processed.

**Provisional data are not yet complete.** Counts will not include all deaths that occurred during a given time period, especially for more recent periods. However, we can estimate how complete our numbers are by looking at the average number of deaths reported in previous years.

**Death counts should not be compared across states.** Some states report deaths on a daily basis, while other states report deaths weekly or monthly. State vital record reporting may also be affected or delayed by COVID-19 related response activities.

For more detailed technical information, visit the [Provisional Death Counts for Coronavirus Disease 2019 \(COVID-19\) Technical Notes](#) page.

